

IMPROVED SCHEME FOR THE INITIALIZATION OF ADSL MODEMS

ABSTRACT OF THE DISCLOSURE

Method and apparatus for improving asymmetric digital subscriber line (ADSL) communication over long loop distances. The method includes identifying sub-channels having an anticipated highest performance for communication, communicating the identified sub-channels between first and second ADSL transceivers, and transmitting initialization information for the communications link over the identified sub-channels. This improves link performance over a traditional system that uses fixed sub-channels for transmitting the initialization information.

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